

AD-784 263

CASE OF ANAPHYLACTIC SHOCK FOLLOWING
INOCULATION WITH TABte VACCINE

A. G. Ishchuk

Foreign Technology Division
Wright-Patterson Air Force Base, Ohio

25 July 1974

DISTRIBUTED BY:

NTIS

National Technical Information Service
U. S. DEPARTMENT OF COMMERCE
5285 Port Royal Road, Springfield Va. 22151

EDITED TRANSLATION

FTD-HT-23-1902-74

25 July 1974

AP 1019975

CASE OF ANAPHYLACTIC SHOCK FOLLOWING INOCULATION
WITH TABEE VACCINE

By: A. G. Ishchuk.

English pages: 2

Source: Voenno-Meditsinskiy Zhurnal, Nr. 7,
July 1970, pp. 54-56

Country of Origin: USSR

Translated by: Charles T. Ostertag, Jr.

Requester: FTD/FOTR

Approved for public release:
distribution unlimited.

THIS TRANSLATION IS A RENDITION OF THE ORIGINAL FOREIGN TEXT WITHOUT ANY ANALYTICAL OR EDITORIAL COMMENT. STATEMENTS OR THEORIES ADVOCATED OR IMPLIED ARE THOSE OF THE SOURCE AND DO NOT NECESSARILY REFLECT THE POSITION OR OPINION OF THE FOREIGN TECHNOLOGY DIVISION.

PREPARED BY:

TRANSLATION DIVISION
FOREIGN TECHNOLOGY DIVISION
WP-APB, OHIO.

CASE OF ANAPHYLACTIC SHOCK FOLLOWING
INOCULATION WITH TABte VACCINE

A. G. Ishchuk, Major, Medical Services

On 26-4-1967 patient Ye. was brought to the hospital in a serious condition with the diagnosis - reaction to inoculation with chemical sorbed typhoid-paratyphoid-tetanus vaccine (TABte). Upon arrival the patient complained of a headache, nausea, general weakness, pain in the small of the back. During the period 22-25 April the patient has suffered acute respiratory illness. At 0900 on 26 April he was given 1 ml of vaccine subcutaneously in the left subscapular area (vaccine produced by the Leningrad NII of Vaccines and Sera, series 137, control 1082, expiration date 26-1-1968). Fifteen minutes after the inoculation shivering, pain in the small of the back, palpitation, general weakness, nausea, and vomiting set in. In 2 hours and 40 minutes after the inoculation he returned to the unit surgeon. Condition was serious, body temperature 40.3°, blueness of integuments, pulse 120 beats a minute, rhythmic, weak filling, arterial pressure 110/70 mm Hg. Heart tones muffled. The patient was given: intravenously 20 ml of a 40% solution of glucose, subcutaneously 2 ml of Cordiamine, intramuscularly 1 ml of a 1% solution of Dimedrol; oxygen was given. Arrived at the hospital 4 hours and 30 minutes after the inoculation. The patient was sluggish, restrained, body temperature 38.9°, facial integuments hyperemic with a cyanotic shade.

Pulse 120 beats a minute, heart tones dull, arterial pressure 70/40 mm Hg, EKG normal. Number of respirations 24 per minute. Tongue was moist and coated with a grayish film. Stomach somewhat swollen, without pain. Liver and spleen not palpated. Spasmodic twitching of the diaphragm noted. Stool liquid, single. Blood analysis from 27 April Hb 15%, e 5,000,000, l. - 27,500, j. - 11%, p. - 50%, s. - 28%, ml. - 2%, lymph. - 4%, mon. - 5%; ERS - 3 mm/hr, color index 0.9. Blood bilirubin 0.96 mg% (according to Bokal'chuk), amount of residual nitrogen 40.8 mg%. Amount of sugar in blood 106 mg%, aldolase activity 9 units. Urine analysis from 27 April: specific gravity 1009, alkaline reaction, protein 0.099%. Urine diastase = 8.

The patient was given 0.5 ml of a 0.1% solution of adrenaline at the site of the inoculation and 0.5 ml - intramuscularly, 1 ml of a 5% solution of ephedrine subcutaneously, 10 ml of a 10% solution of calcium chloride intravenously, 500 ml of a 5% solution of glucose and 400 ml of polyglucin drop by drop intravenously, subcutaneously 5 units of insulin, Dimedrol, hydrocortisone 125 ml intramuscularly; oxygen was given.

After the treatment was carried out, by 2100 the state of health was improved, headache was reduced. The face was hyperemic. Pulse was 72 beats a minute. Frequency of respiration 22, arterial pressure 90/65 mm Hg. On 27 April the state of health was satisfactory. Pulse 104 beats per minute, arterial pressure 85/65 mm Hg. Repeated administration of 1000 ml of 5% solution of glucose drop by drop intravenously, 5 units of insulin, Dimedrol. On 28 April arterial pressure 90/60 mm Hg, on 29 April - 115/70 mm Hg. Body temperature was down to normal. Blood picture was normalized only on the 8th day. Discharged on 6 May 1967 in good health.